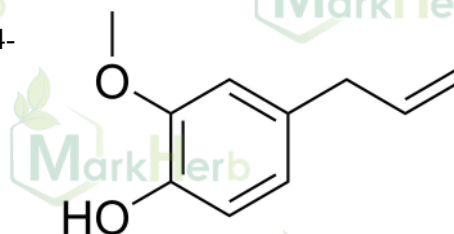


## CERTIFICATE OF ANALYSIS

*For Laboratory Use Only*

**Product name** Eugenol  
**Other names** 2-Methoxy-4-(2-propenyl)phenol; 4-Allyl-2-methoxyphenol; 4-Allylguaiacol  
**CAS** 97-53-0  
**Catalog No.** PHE-5-1000  
**Formula** C<sub>10</sub>H<sub>12</sub>O<sub>2</sub>  
**Molecular mass** 164,2 g/mol  
**Date of sample** 25/11/2019  
**Date of report** 25/11/2019



Structure

### ANALYTICAL RESULTS

Test	Method	Specification	Result
Appearance	NA	Colorless to yellow, oil	Colorless to yellow, oil
Purity	HPLC-UV	> 90%	99.65%
UV spectrum	UV Spectroscopy	NA	NA
Mass spectrum	LC-MS/MS	NA	NA
NMR	<sup>1</sup> H-NMR, <sup>13</sup> C-NMR	NA	NA

NA, not available

### STORAGE CONDITIONS

**Storage** Room temperature in a dry place, keep away from direct light  
**Transport** Room temperature

Digitally signed by  
 Dr. rer.nat. Agus Chahyadi  
 Date: 25.11.2019  
 Bandung - Indonesia